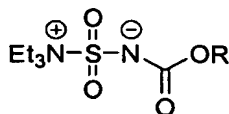


What is claimed is:

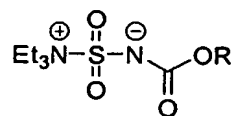
1. A Burgess-type reagent represented by the following structure:



wherein -C(O)OR is a carbamate protecting group, with a proviso that **R** is not methyl, ethyl, or polyethylene glycol.

2. A Burgess-type reagent according to claim 1 wherein **R** is a radical selected from the group consisting of alkyl, allyl, alkenyl, haloalkyl, alkyl ether, aryl, substituted alkyl, and substituted aryl.
3. A Burgess-type reagent according to claim 1 wherein **R** is a radical selected from the group consisting of (C3-C10) alkyl, (C3-C10) allyl, (C3-C10) alkenyl, (C1-C10) haloalkyl, (C2-C10) alkyl ether, (C5-C10) aryl, (C1-C10) substituted alkyl, and (C5-C10) substituted aryl.
4. A Burgess-type reagent according to claim 1 wherein **R** is a radical selected from the group consisting of -CH₂Ph, -CH₂-o-NO₂Ph, -CH₂CH=CH₂, -CH₂CCl₃, and -CH₂CH₂SiMe₃.
5. A process comprising the following step:
- reacting a 1,2 diol with an excess of a Burgess reagent or a Burgess-type reagent under reaction conditions for forming a cyclic sulfamidate.
6. A process according to claim 5 wherein the 1,2 diol is enantiopure and the cyclic sulfamidate is chiral.

7. A process according to claim 5 wherein the Burgess-type reagent is represented by the following structure:



wherein -C(O)OR is a carbamate protecting group.

8. A process according to claim 7 wherein **R** is a radical selected from the group consisting of alkyl, allyl, alkenyl, haloalkyl, alkyl ether, aryl, substituted alkyl, and substituted aryl.

9. A process according to claim 7 wherein **R** is a radical selected from the group consisting of (C2-C10) alkyl, (C3-C10) allyl, (C3-C10) alkenyl, (C1-C10) haloalkyl, (C2-C10) alkyl ether, (C5-C10) aryl, (C1-C10) substituted alkyl, and (C5-C10) substituted aryl.

10. A process according to claim 5 further comprising the following additional step:

deprotecting the cyclic sufamidate for producing a carbamate protected β -aminoalcohol.

11. A process according to claim 10 further comprising the additional following step:

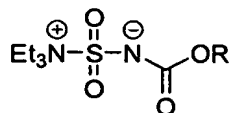
deprotecting the carbamate protected β -aminoalcohol for producing a β -aminoalcohol.

12. In an improved process for synthesizing a product or a product intermediate, the process being of a type employing a nucleophile selected from the group consisting of O-, S-, N-, C-, and F-based nucleophiles for converting a cyclic sulfamidate into the product or product intermediate, the improvement comprising the following preliminary step:

forming the cyclic sulfamidate by reacting a 1,2 diol with an excess of a Burgess reagent or a Burgess-type reagent.

13. A process according to claim 12 wherein the 1,2 diol is enantiopure and the cyclic sulfamidate is chiral.

14. A process according to claim 12 wherein the Burgess-type reagent is represented by the following structure:



wherein -C(O)OR is a carbamate protecting group.

15. A process according to claim 12 wherein R is a radical selected from the group consisting of alkyl, allyl, alkenyl, haloalkyl, alkyl ether, aryl, substituted alkyl, and substituted aryl.

16. A process according to claim 15 wherein R is a radical selected from the group consisting of (C2-C10) alkyl, (C3-C10) allyl, (C3-C10) alkenyl, (C1-C10) haloalkyl, (C2-C10) alkyl ether, (C5-C10) aryl, (C1-C10) substituted alkyl, and (C5-C10) substituted aryl.

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17. A process according to claim 16 wherein R is a radical selected from the group consisting of $-\text{CH}_2\text{Ph}$, $-\text{CH}_2-o\text{-NO}_2\text{Ph}$, $-\text{CH}_2\text{CH}=\text{CH}_2$, $-\text{CH}_2\text{CCl}_3$, and $-\text{CH}_2\text{CH}_2\text{SiMe}_3$.

18. A compound represented by the following structure:

